

Azadeh Nilghaz

List of Publications by Year in descending order

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36
papers

1,782
citations

304701

22
h-index

395678

33
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36
all docs

36
docs citations

36
times ranked

2288
citing authors

#	ARTICLE	IF	CITATIONS
1	Black Phosphorus and its Biomedical Applications. <i>Theranostics</i> , 2018, 8, 1005-1026.	10.0	253
2	Flexible microfluidic cloth-based analytical devices using a low-cost waxpatterning technique. <i>Lab on A Chip</i> , 2012, 12, 209-218.	6.0	186
3	Rapid detection of clenbuterol in milk using microfluidic paper-based ELISA. <i>Food Chemistry</i> , 2018, 246, 437-441.	8.2	137
4	Advances of Paper-Based Microfluidics for Diagnosticsâ€”The Original Motivation and Current Status. <i>ACS Sensors</i> , 2016, 1, 1382-1393.	7.8	119
5	â€œPeriodic-Table-Styleâ€•Paper Device for Monitoring Heavy Metals in Water. <i>Analytical Chemistry</i> , 2015, 87, 2555-2559.	6.5	104
6	Development of paper-based microfluidic device for the determination of nitrite in meat. <i>Food Chemistry</i> , 2020, 316, 126396.	8.2	82
7	Stretchableâ€Fiberâ€Confined Wetting Conductive Liquids as Wearable Human Health Monitors. <i>Advanced Functional Materials</i> , 2016, 26, 4511-4517.	14.9	79
8	Semiquantitative analysis on microfluidic thread-based analytical devices by ruler. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 586-594.	7.8	75
9	Modification of thread-based microfluidic device with polysiloxanes for the development of a sensitive and selective immunoassay. <i>Sensors and Actuators B: Chemical</i> , 2018, 260, 1043-1051.	7.8	58
10	Understanding Thread Properties for Red Blood Cell Antigen Assays: Weak ABO Blood Typing. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 22209-22215.	8.0	55
11	Detection of antibiotic residues in pork using paper-based microfluidic device coupled with filtration and concentration. <i>Analytica Chimica Acta</i> , 2019, 1046, 163-169.	5.4	52
12	Low-cost blood plasma separation method using salt functionalized paper. <i>RSC Advances</i> , 2015, 5, 53172-53179.	3.6	51
13	Textiles in soft robots: Current progress and future trends. <i>Biosensors and Bioelectronics</i> , 2022, 196, 113690.	10.1	50
14	Multiple semi-quantitative colorimetric assays in compact embeddable microfluidic cloth-based analytical device (1/4CAD) for effective point-of-care diagnostic. <i>Microfluidics and Nanofluidics</i> , 2015, 19, 317-333.	2.2	49
15	Coffee stains on paper. <i>Chemical Engineering Science</i> , 2015, 129, 34-41.	3.8	49
16	Surface-Enhanced Raman Spectroscopy Substrates for Food Safety and Quality Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 5463-5476.	5.2	44
17	Cellulose nanofibre textured SERS substrate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 468, 309-314.	4.7	42
18	Paper-based microfluidics for food safety and quality analysis. <i>Trends in Food Science and Technology</i> , 2021, 118, 273-284.	15.1	42

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19	Determination of norfloxacin residues in foods by exploiting the coffee-ring effect and paper-based microfluidics device coupling with smartphone-based detection. <i>Journal of Food Science</i> , 2020, 85, 736-743.	3.1	36
20	Active Packaging of Immobilized Zinc Oxide Nanoparticles Controls <i>Campylobacter jejuni</i> in Raw Chicken Meat. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	28
21	Development of fabric-based microfluidic devices by wax printing. <i>Cellulose</i> , 2019, 26, 3589-3599.	4.9	26
22	Red blood cell transport mechanisms in polyester thread-based blood typing devices. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1365-1371.	3.7	25
23	Noble-Metal Nanoparticle-Based Colorimetric Diagnostic Assays for Point-of-Need Applications. <i>ACS Applied Nano Materials</i> , 2021, 4, 12808-12824.	5.0	22
24	Unlocking the Potential of Organ-on-a-Chip Models through Pumpless and Tubeless Microfluidics. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901784.	7.6	20
25	Paper-based analytical device for high-throughput monitoring tetracycline residue in milk. <i>Food Chemistry</i> , 2021, 354, 129548.	8.2	18
26	Multi-sensorized pneumatic artificial muscle yarns. <i>Chemical Engineering Journal</i> , 2022, 446, 137241.	12.7	18
27	Multilayer cell culture system supported by thread. <i>Sensors and Actuators B: Chemical</i> , 2018, 257, 650-657.	7.8	17
28	Understanding the coffee-ring effect of red blood cells for engineering paper-based blood analysis devices. <i>Chemical Engineering Journal</i> , 2020, 391, 123522.	12.7	15
29	Surface Modification of Cellulose Paper for Quantum Dot-based Sensing Applications. <i>BioResources</i> , 2014, 10, .	1.0	10
30	Bilayer Graphene Nanoribbon Carrier Statistic in Degenerate and Non Degenerate Limit. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011, 8, 2029-2032.	0.4	7
31	Batik-inspired wax patterning for cloth-based microfluidic device. , 2011, , .		4
32	Chapter 5. Colorimetric-based Sensing in Food Safety and Quality Analysis. <i>Food Chemistry, Function and Analysis</i> , 2017, , 121-140.	0.2	4
33	Simultaneous multiple assays on microfluidic cloth-based analytical devices. , 2011, , .		2
34	Current-Voltage Characteristics of Bilayer Graphene Nanoribbon Field Effect Transistor. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013, 10, 738-741.	0.4	2
35	Bilayer Graphene Nanoribbon Mobility Model in Ballistic Transport Limit. <i>Journal of Computational and Theoretical Nanoscience</i> , 2013, 10, 1262-1265.	0.4	1
36	REMOVED: Bioactive Paper Design for Human Blood Analysis: Paper Property Suitable for Large-scale Sensor Production. <i>Biochemical Engineering Journal</i> , 2016, 105, 473.	3.6	0